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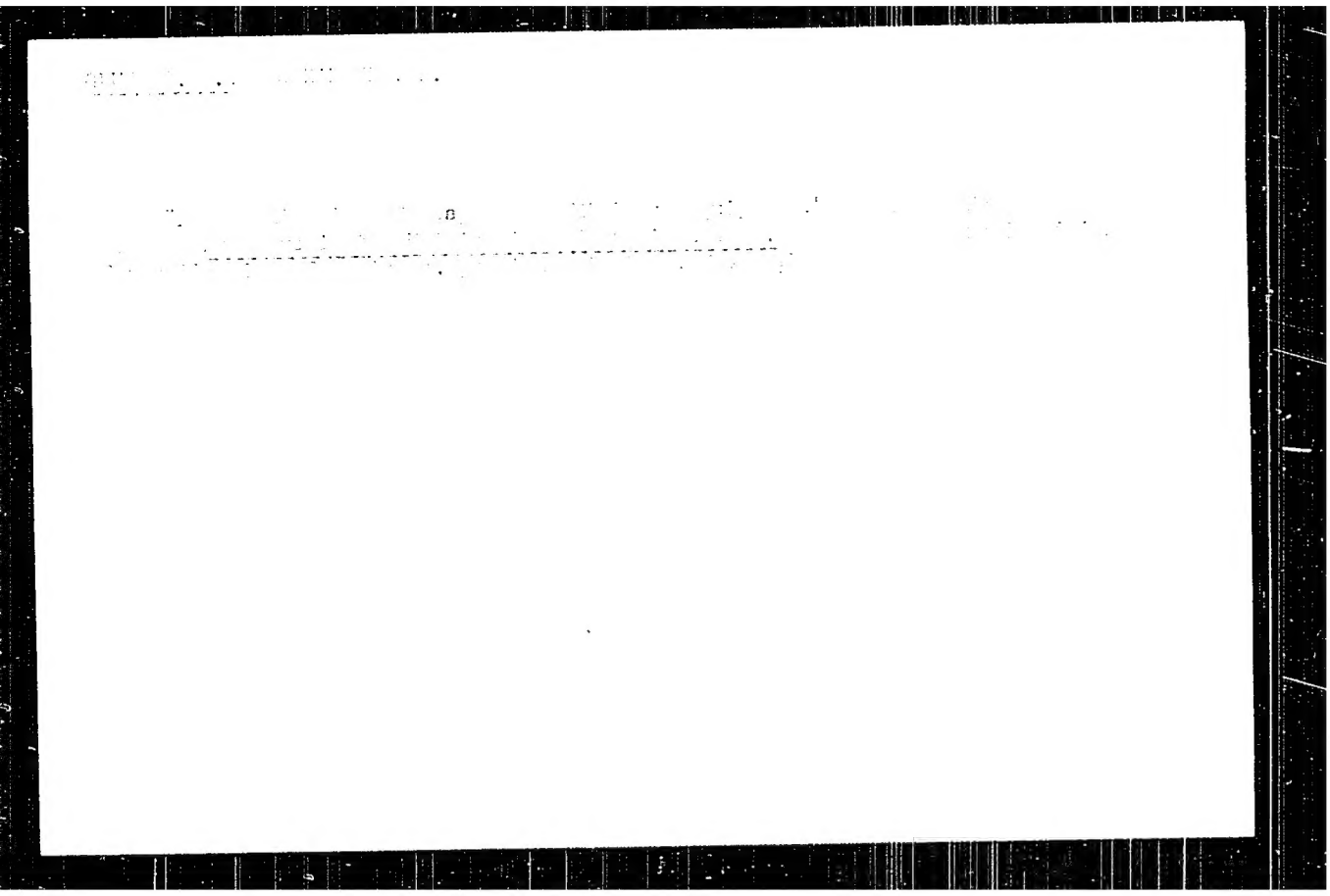

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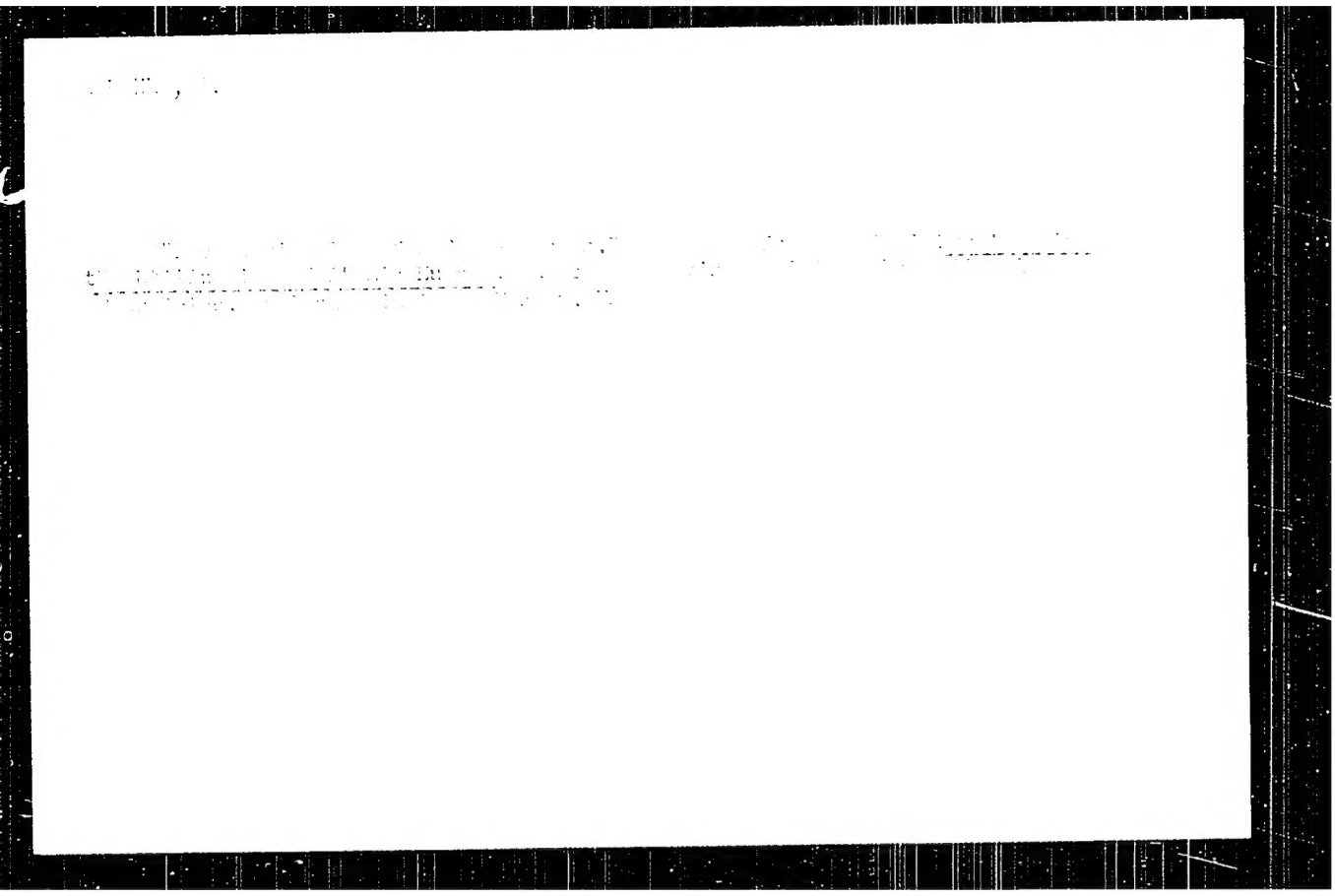

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, A. (Col.)

Lecturer, Bachelor of Technical Sciences;

Author of "Atomic Shelters Under Snow"

Trans. - D 191866

SO: Krasnaya Zvezda, Moskva, 29 Jan 1955.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, A.

"Use of Defensive Features of the Terrain" an article in the publication Problems of the Use of Atomic Energy, October, 1956, Moscow

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

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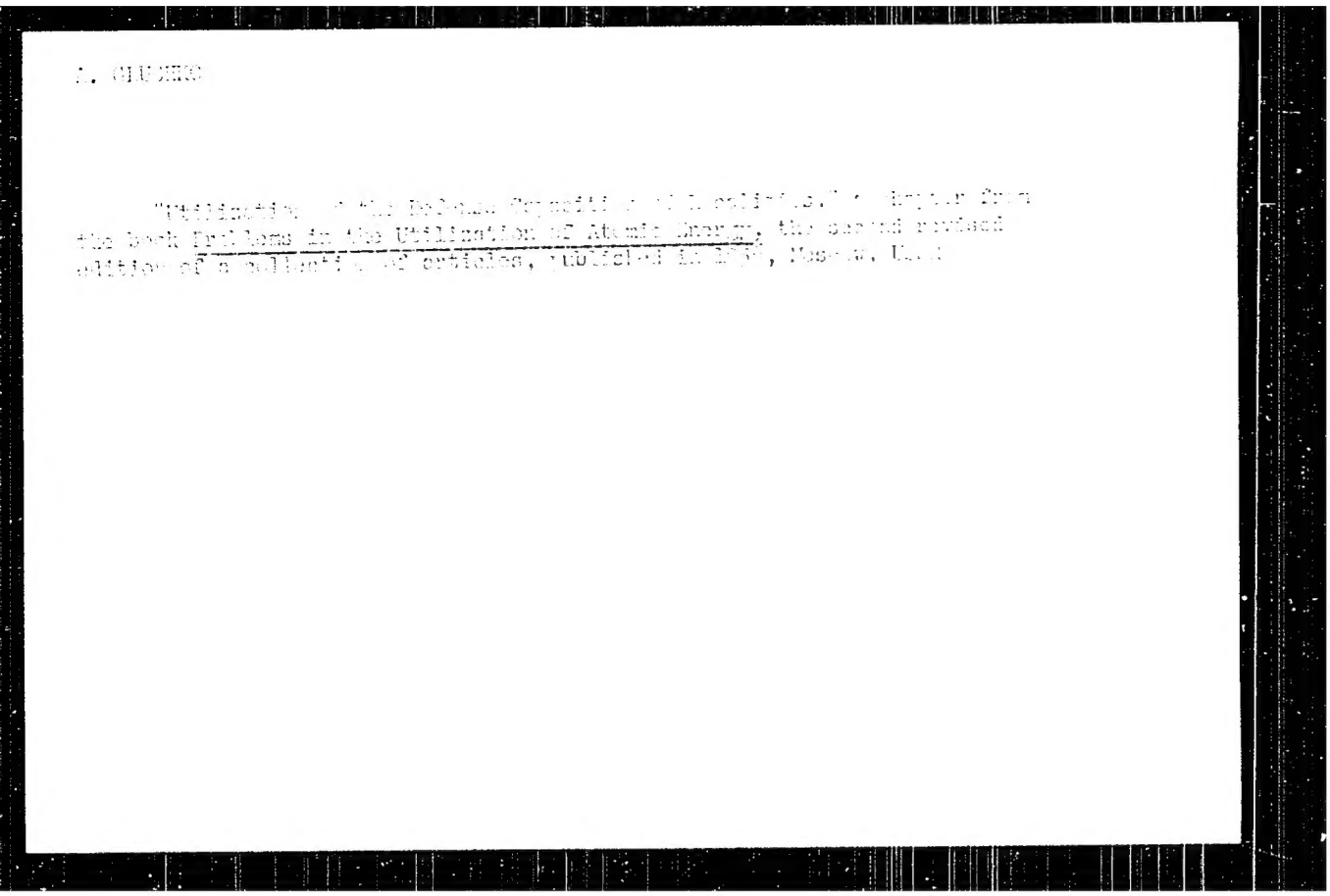

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

VISHNEVSKIY, A.S.; KHODYKIN, A.V.; Prinima uchastiye: VESELOV, I.A., vrach; PINCHUKOV, Ye.F., vrach; GLUSHKO, B.I., vrach; CHVAMANIYA, A.Ye., vrach; FILIPPOVA, Ye.I., vrach; GOLUBOVA, L.M., vrach; SHEVCHENKO, M.M., vrach; MALYGINA, V.F., vrach

Sanatorium and health resort treatment of chronic pancreatitis (immediate and late results). Trudy TSIU 72:110-122 '64. (MIRA 18:11)

1. Kafedra kurortnoy terapii (zav. prof. A.S. Vishnevskiy) TSentral'nogo instituta usovershenstvovaniya vrachey.

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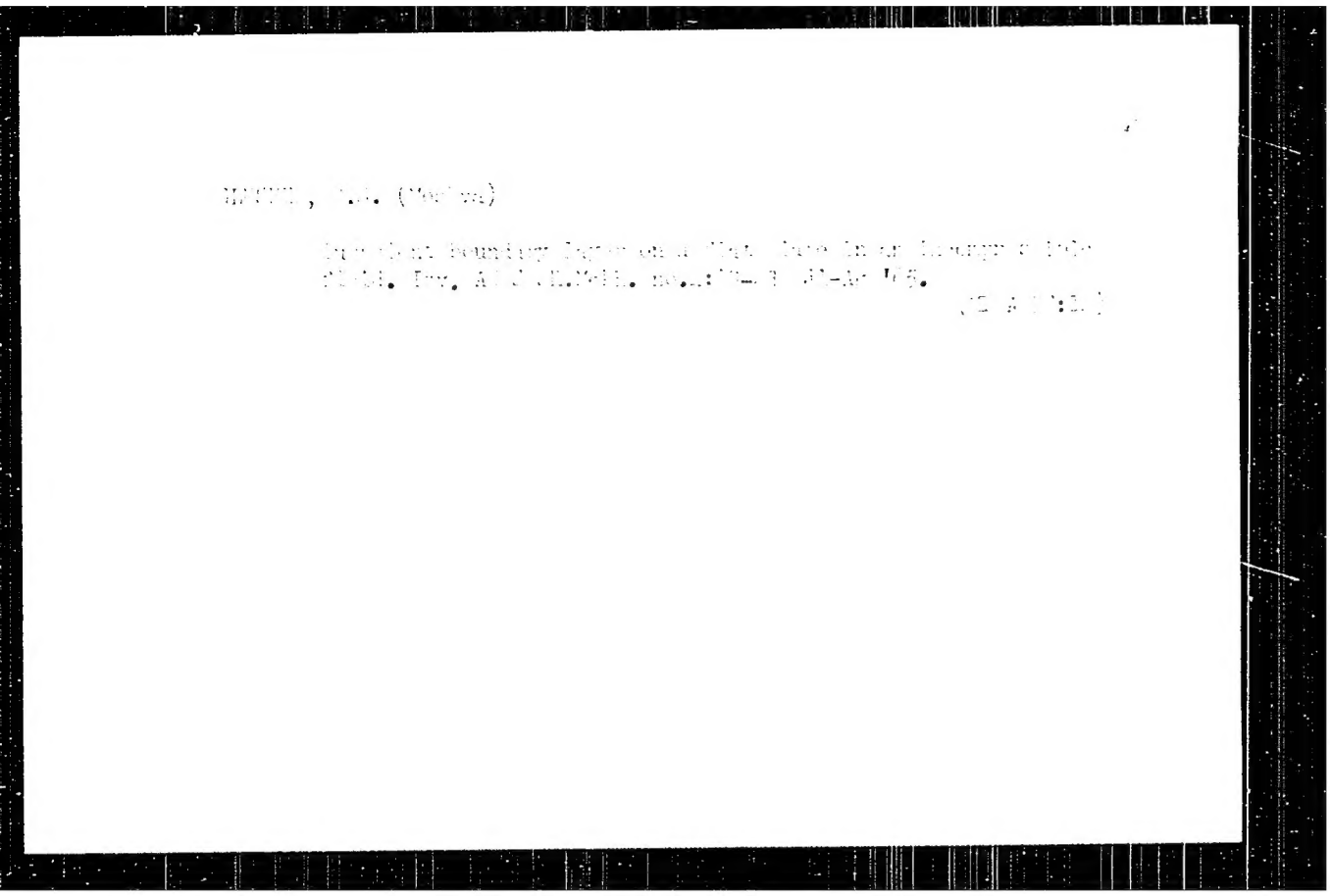

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

G[illegible], B.A., aspirant

Postvaccinal immunity against foot-and-mouth disease in young cattle. Veterinariia 40 no.11:30-31 N '63. (MIRA 17:9)

1. Tadzhikskiy nauchno-issledovatel'skiy veterinarnyy institut.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, B.A., aspirant; LIKHACHEV, N.V., prof., nauchnyy rukovoditel' raboty

Dynamics of the titer of antibodies in newborn calves during foot-and-mouth disease. Veterinariia 41 no.8:20-21 Ag '64. (MIRA 18:4)

1. Tadzhikskiy nauchno-issledovatel'skiy veterinarnyy institut.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

VISHNEVSKIY, A.S., prof.; KHODYKIN, A.V., kand.med.nauk; Prinimali uchastiye: GLUSHKO, B.I., vrach; CHVAMANIYA, A.Ye., vrach; TURANSKAYA, A.G., vrach; LEVITSKAYA, A.S., vrach; GOLUBEVA, L.V., vrach.

Use of cortisone and dehydrocortisone in the treatment of severe hepatitis and liver cirrhosis. Vrach. delo no.8:35-38 Ag '61. (MIRA 15:3)

1. Kurortnaya poliklinika, Yessentuki.
(CORTISONE)
(LIVER--DISEASES)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, B.V., zasl. agronom Moldavskoy SSR, kand. sel'khoz. nauk;
YANKOVSKAYA, I.F., agronom-ekonomist; PANIN, V., red.;
GORYACHENKO, F., tekhn. red.

[Efficient use of collective-farm land] Po-khoziaiski ispol'-zovat' kolkhoznuiu zemliu. Kishinev, Izd-vo sel'khoz.lit-ry MSKh MSSR, 1962. 20 p. (MIRA 15:7)

1. Predsedatel' kolkhoza "Vyatsa nouye" Teleneshtskogo rayona (for Glushko). 2. Kolkhoz "Vyatsa nouye" Teleneshtskogo rayona (for Yankovskaya).
(Teleneshty District--Agriculture)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, B.V., zasluzhennyy agronom Moldavskoy SSR, kand. sel'skokhoz. nauk; BUKHAR, I.Ye., kand. sel'skokhoz. nauk

Improve the system of agriculture. Zemledelie 25 no.5:3-6 My '63. (MIRA 16:7)

1. Predsedatel' kolkhoza "Vyatsa noue", Moldavskaya SSR (for Glushko).

(Moldavia—Agriculture)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

L 56515-65 EWT(1)/EWA(h) Peb

ACCESSION NR: AP5016721 UR/0286/65/000/010/0040/0040

AUTHORS: Lipinskiy, G. V.; Notkin, L. R.; Glushko, E. N.; Grabar', K. V.

TITLE: Rectangular pulse generator. Class 21, No. 171020

SOURCE: Byulleten' izobretemiy i tovarnykh znakov, no. 10, 1965, 40

TOPIC TAGS: pulse generator

ABSTRACT: This Author Certificate presents a rectangular pulse generator containing a double branch trigger. A sawtooth voltage generator and a circuit for comparing the sawtooth voltage with a reference, connected to one of the inputs of the trigger

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

diagram.

ASSOCIATION: Organizatsiya gosudarstvennogo komiteta po radioelektronike USSR
(Organization of the State Committee for Radio Electronics, USSR)

Card 1/3

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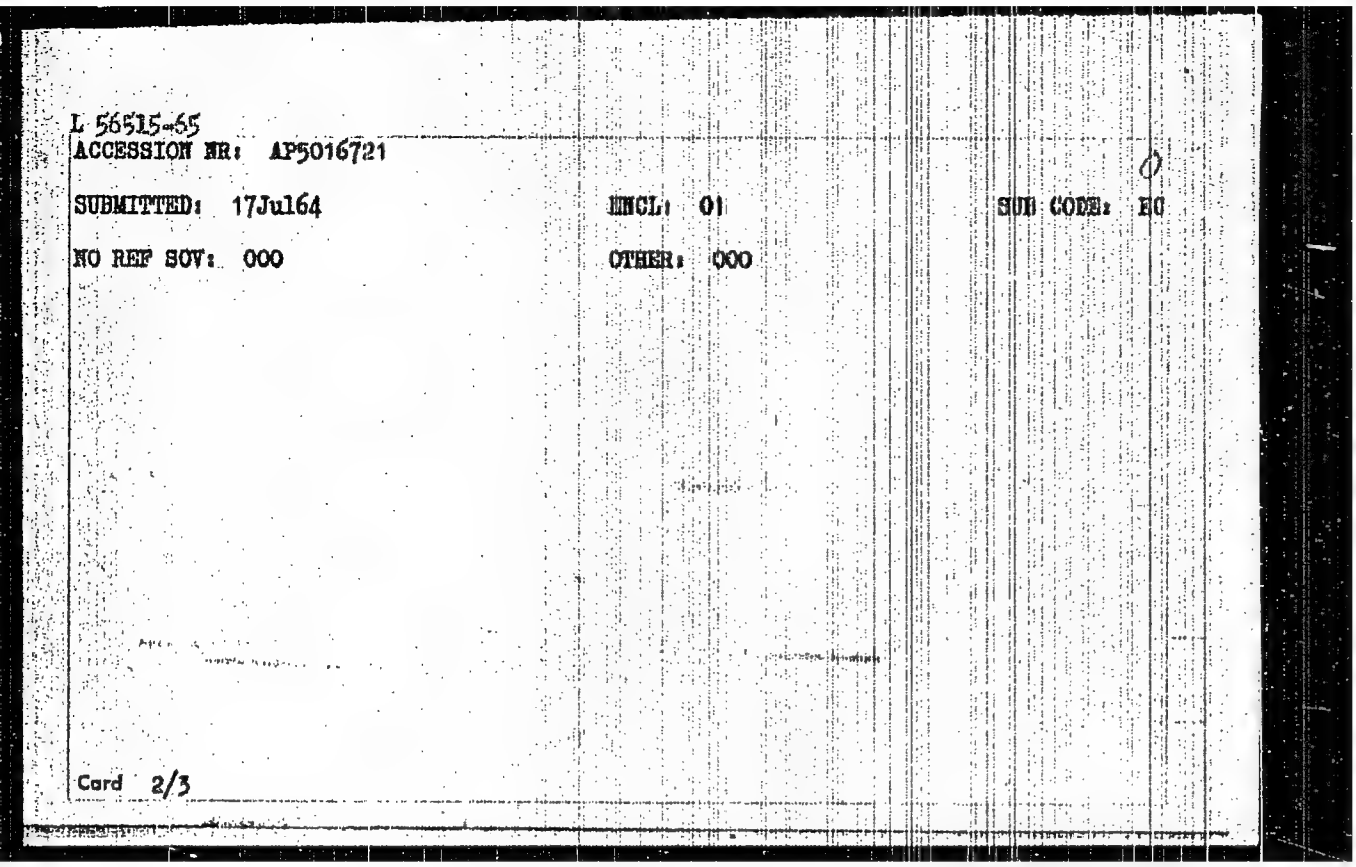

L 56515-65
ACCESSION NR: AP5016721

SUBMITTED: 17Jul64 ENCL: 01 SUB CODE: EC

NO REF SOV: 000 OTHER: 000

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, G.A., inzh.

Some shortcomings on electrified sections. Elek. i tepl. tiaga 2 no.7:40 Jl '58. (MIRA 11:7)

1. Depo Oktyabr', Yuzhnaya doroga.
(Electric railroads--Signaling)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, G.F.

Different approach to expert evaluation of the state of alcoholic intoxication. Prak.sudebnopsikh.ekspert. no.6:41-45 '62. (MIRA 16:2)

(ALCOHOLISM)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, G.S. (Moscow)

"The turbulent boundary layer in an incompressible fluid".

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 64.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

L 1458-66 EWT(1)/EWP(m)/EWP(w)/FCS(k)/EWA(1) WW/EM
ACCESSION NR: AP5021708 UR/0373/65/000/004/0013/0023

AUTHOR: Glushko, G. S. (Moscow)

TITLE: Turbulent boundary layer on a flat plate in an incompressible fluid

SOURCE: AN SSSR. Izvestiya. Mekhanika, no. 4, 1965, 13-23

TOPIC TAGS: turbulent flow, boundary layer, incompressible fluid, correlation function, Navier Stokes equation

ABSTRACT: The concept of mixing length and Reynolds' stresses was used to study analytically and experimentally the flow of an incompressible turbulent fluid over a flat plate. The flow parameters in the Navier-Stokes equations were expressed as the sum of a mean quantity and a time averaged pulsating quantity. From this, an expression is obtained for the effective viscosity ϵ as a function of the Reynolds' stresses only

$$\epsilon = \frac{\overline{u'v'}}{\partial \bar{u}/\partial y} = \int_0^r \frac{r^2}{\bar{\eta}(r+\eta)}\alpha r$$

$$\left(r = \frac{vL}{\nu}\right).$$

From an analysis of experimental data this viscosity was expressed as a function of the turbulent Reynolds' number according to the piecewise smooth function

Card 1/3

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

L 11[illegible]-66
ACCESSION NR: AP5021708

$$\nu = H(r)\,\alpha\, r$$

$$H(r) = \begin{cases} r/r_0 & 0 \leqslant r/r_0 \leqslant 0.75, \\ r/r_0 & (r/r_0 - 0.75)^2 + 0.75 \leqslant r/r_0 \leqslant 1.25, \\ 1 & 1.25 \leqslant r/r_0 \leqslant \infty \end{cases}$$

Next, the complicated momentum and energy equations for the Reynolds' stresses are simplified into a set of three equations

$$U_1 \frac{\partial U_1}{\partial x_1} + U_2 \frac{\partial U_1}{\partial x_2} = -\frac{1}{\rho}\frac{\partial p}{\partial x_1} + \frac{\partial}{\partial x_2}\left(\nu M \frac{\partial U_1}{\partial x_2}\right)$$

$$\frac{\partial U_1}{\partial x_1} + \frac{\partial U_2}{\partial x_2} = 0$$

$$U_1 \frac{\partial e}{\partial x_1} + U_2 \frac{\partial e}{\partial x_2} = \frac{\partial}{\partial x_2}\left(\nu D \frac{\partial e}{\partial x_2}\right) + \nu(M-1)\left(\frac{\partial U_1}{\partial x_2}\right)^2 - \nu C D \frac{e}{L^2}$$

$$M = 1 + \varepsilon(r), \quad D = 1 + \varepsilon(\alpha r), \quad L/\delta = \varphi(r_0/\delta),$$

the last of which is the total-turbulent energy equation. These three equations are then integrated numerically, using the method of meshes with boundary condition $x_2 = 0$; $U_1 = U_2 = e = 0$ and $x_2 \to \infty$, $U_1 \to U_\infty$, $e \to 0$. As an initial input, the calculation was started with a Blasius profile. Mean values were obtained for the constants α, r_0, C, $\varkappa$ from available experimental data, and the scale of turbulence was obtained empirically. The computation results show three flow domains:

Card 2/3

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L 1456-66
ACCESSION NR: AP5021708

laminar, transition, and turbulent. The onset of transition depends on the magnitude of turbulent energy in the initial cross sections. The laminar and turbulent solutions, on the other hand, were independent of initial cross section energies. The calculation results were plotted graphically as velocity and total energy-of-turbulence distribution curves, and skin friction versus Reynolds' number. The results are shown to compare very well with experimental data. Orig. art. has: 29 equations and 10 figures.

ASSOCIATION: none

SUBMITTED: 27Apr64 ENCL: 00 SUB CODE: ME

NO REF SOV: 004 OTHER: 005

Card 3/3

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, G.T.

Design and kinematics of a kind of cardan homokinetic joints. Trudy SADI no.16 pt.1:70-74 '59. (MIRA 13:11)
(Motor vehicles--Axles)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, G.T., kand. tekhn. nauk; SHESTERIKOV, N.A., dots., kand. tekhn. nauk, otv. za vyp.

[Methods manual on the course "Theory of mechanisms and machines"] Uchebno-metodicheskoe posobie po kursu "Teoriia mekhanizmov i mashin." Sost. G.T.Glushko. Saratov. Pt.2. 1963. 115 p. ___ [Album of drawings...] Al'bom chertezhei k... 1 v. (MIRA 17:4)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

ANASTAS'IN, V.F.; ARAKELOV, A.S.; BOBROV, A.L.; VIKHOREV, Yu.V.; VIL'DER, S.I.; GLUSHKO, I.K.; GOKUN, A.M.; PIN'KOVSKIY, Ya.I.; PASHKOV, N.D.; RYABUKHA, G.K.; REBENKO, G.S.; SMUROV, Fedor Pavlovich; SOSKIND, D.M.; SAMSONOV, B.A.; SEMENOV, A.B.; SULEYMANOV, A.B.; KHARLAMOV, A.A.; TSAR'KOV, B.N.; SHIFRIN, D.L.; SHEYNMAN, V.I.; ABAKUMOVSKIY, Dmitriy Dmitriyevich, red.toma; SVYATITSKAYA, K.P., vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Petroleum equipment; in six volumes] Neftianoe oborudovanie; v shesti tomakh. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Vol.4. 1959. 294 p. (MIRA 12:9)
(Petroleum refineries--Equipment and supplies)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, I.K.

Problems in the design and manufacture of petroleum-chemical equipment. Standartizatsiia 28 no.5:16-18 My '64.
(MIRA 17:12)

1. Glavnyy inzh. TSentral'nogo konstruktorskogo byuro neftekhimicheskoy apparatury.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

SHEVKUNOVA, Ye.A.; GLUSHKO, I.V.

Susceptibility of gerbils and water voles to toxoplasmosis in an experiment. Zool. zhur. 42 no.6:956-959 '63.
(MIRA 16:7)

1. Laboratory of Toxoplasmosis, Department of Infections of Natural Nidality, Institute of Epidemiology and Microbiology, Academy of Medical Sciences, Moscow and Anti-Plague Institute of the Caucasus and Transcaucasia, Stavropol Caucasian.
(Toxoplasmosis)
(Rodents as carriers of disease)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

LUKASHEVICH, P.A.; ZEYLIKMAN, Kh.N.; GLUSHKO, K.B.; GUREONOV, E., red.; GORYACHENKO, F., tekhn. red.

[New machines for fruit culture and viticulture] Novye mashiny dlia sadovodstva i vinogradarstva. Kishinev, Izd-vo sel'khoz. lit-ry MSKh MSSR, 1962. 145 p. (MIRA 15:6)
(Moldavia--Fruit culture) (Moldavia--Viticulture)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, K.B.

Needle-shaped plant feeder. Trakt. i sel'khozmash. 32 no.6:34-36 Je '62. (MIRA 15:6)

1. Moldavskiy nauchno-issledovatel'skiy institut sadovodstva, vinogradarstva i vinodeliya.
(Viticulture--Equipment and supplies)
(Fertilizers and manures--Equipment and supplies)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

ACCESSION NR: AP4038417 S/0166/64/000/002/0014/0022

AUTHOR: Glushko, K. S.

TITLE: On one possible generalization of differential equations for the motion of nonholonomic mechanical systems

SOURCE: AN UzSSR. Izv. Seriya fiziko-metematicheskikh nauk, no. 2, 1964, 14-22

TOPIC TAGS: differential equation, nonholonomic mechanical system, motion, quasiparameter

ABSTRACT: Using the equations of P. W. Woronetz (über die Bevegung eines sterren Körpers derohne Obitung auf einer belibigen Fläche rollt, Math, Ann, Band, 70, 1911), as a particular case, the author investigated motion equations of nonholonomic mechanical systems within quasicoordinates with linear, nonstationary couplings. The author conducted differentiation operations along nonholonomic parameters based on the system of subordination of n-m independent Pfaff equations:

$$\sum_{\lambda}^{p} \theta_{\lambda}^{p} dx^{\lambda} + \theta_{0}^{p} dt = 0^{*} \qquad (1.1)$$

$$\lambda = 1,2,\ldots,n;\ p = 1,2,\ldots,\ n - m$$

Card 1/2

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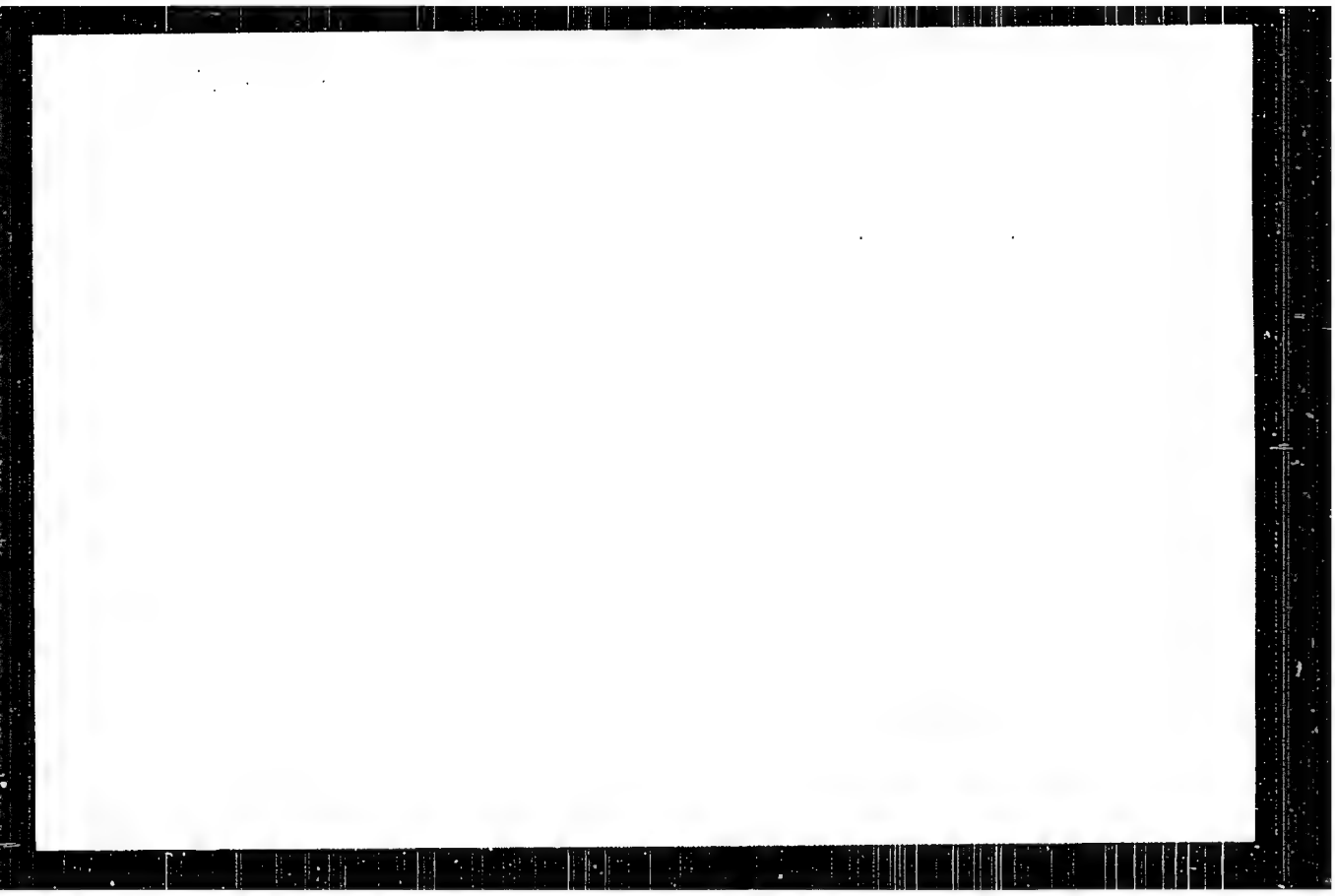

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

MALINOVSKIY, M.S.; SOLOMKO, Z.F.; GLUSHKO, L.P.

Sulfanilides. N-sulfonyl derivatives of thiourea.
Ukr.khim.zhur. 28 no.8:952-954 '62. (MIRA 15:11)

1. Dnepropetrovskiy gosudarstvennyy universitet.
(Urea)
(Sulfonyl group)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

MALINOVSKIY, M.S.; SOLOMKO, Z.F.; GLUSHKO, L.P.

Sulfanilides. Part 2: N-sulfanyl derivatives of thiourea.
Zhur.ob.khim. 32 no.3:728-731 Mr '62. (MIRA 15:3)

1. Dnepropetrovskiy gosudarstvennyy universitet.
(Urea) (Sulfanilide)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

MALIMOVSKIY, M.S.; SOLOMKO, Z.F.; GLUSHKO, L.P.

Sulfanilides. Part 5: N-chloroacetyl derivatives of sulfanilides. Zhur.ob.khim. 32 no.10:3195-3197 O '62. (MIRA 15:11)

1. Dnepropetrovskiy gosudarstvennyy universitet.
(Sulfanilide)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

MALINOVSKIY, M.S.; SOLOMKO, [illegible]

Sulfanilides. N-chloroacetyl derivatives of arenesulfanizidides, arenesulfphenetidides, and arenesulftoluidides. Ukr.khim.zhur. 29 no.6:614-615 '63. (MIRA 16:9)

(Sulfanilide)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, L.P.; SOLOMKO, Z.F.; MALINOVSKIY, M.S.

Sulfanilides. Part 7: Ethyl esters of N-arylsulfonyl-N-phenyl-carbamic acid. Zhur.ob.khim. 33 no.2:612-613 F '63.
(MIRA 16:2)

1. Dnepropetrovskiy gosudarstvennyy universitet.
(Carbanilic acid) (Sulfanilide)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

SOLOMKO, Z.F.; GLUSHKO, L.P.; MALINOVSKIY, M.S.

Sulfamides. Part 1. Methyl esters of N-arylsulfonyl-N-phenyl carbamic acid. Zhur. fiz. khim. 34 no. [illegible]
JI '60 (MIRA 1[illegible])

1. Dnepropetrovskiy [illegible] universitet.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

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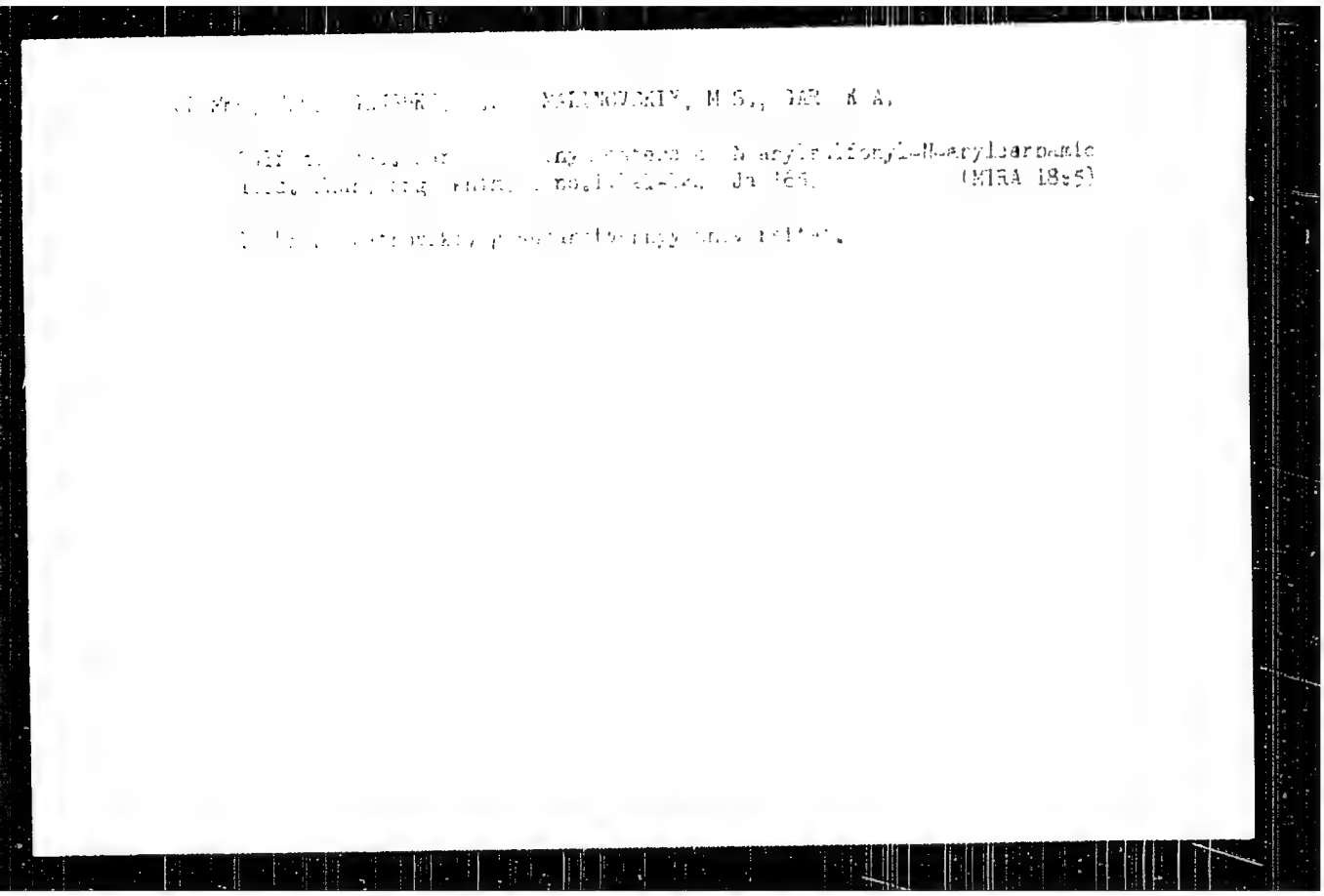

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

SOLOMKO, Z.F.; GLUSHKO, L.I.; MALINOVSKIY, M.S.; FRIS, V.G.; EDLIS, A.J.

Sulfanilides. Part 16: Propyl esters of N-arylsulfonyl-b-arylcarbamic acids. Zhur. org. khim. 1 no.9:1627-1630 S '65. (MIRA 18:12)

1. Dnepropetrovskiy gosudarstvennyy universitet. Submitted September 23, 1963.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSKO, V.F., Cand Tech Sci -- (diss) " Longitudinal and torsion deformations of mine hoisting cables." Khar'kov, 1958, 13 pp. (Min of Higher Education UkSSR. Khar'kov Mining Inst) 150 copies (KL, 39-58, 109)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F.

Differential equations for the statics and the dynamics of hoisting ropes. Sbor.nauch.trud. KhGI 5:235-248 '58. (MIRA 14:4)

(Hoisting machinery)
(Wire ropes)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F.

Propagation of elastic waves in steel wire ropes. Sbor.nauch. trud. KHGI 5:249-254 '58. (MIRA 14:4)
(Wire rope)
(Elasticity)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F., inzh.

Theory of locked-coil mine-hoist ropes. Shor.DonUGI no.17:92-103 '58. (MIRA 12:5)

(Mine hoisting) (Wire rope)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

30-2-33/60

AUTHOR: Hanuk..., A. F ...

TITLE: Test Methods for T ...si ...ion Tr ...ti... Cables
(Metodiki ispytaniya ne ... tyagovykh ...kabeley Prevolo Lnykh
... "ye ... ...ant...)

PERIODICAL: Zavo.Shaya Laboratoriya, 1 ..., Vol. 24, Nr 2, pp. 211- 1...
(USSR)

ABSTRACT: A method for the investi...ation of traction cables was
devel ped here, av idi... the use of weights, which permits
to perfor... the inversti...ation in the usual pull-test
m...chine. No a...ion is ...ined fo... i...sti...ti... are ...roluced
by fixing t... ...ine ...ep...s wit... ...ten ...it ...etal.
Each sectio... of t... rope ...s twisted ... the opp...site direction
with res...ct to t... ... ... If the cable is strained in the
pull-t... m...chine ... ... it and ... torsi... angle,
proportional , ... by the rotation of the upper
section in ... ...rection ... the ... section in the
... ...r direction is ...ero ... ...t torsionless.
With t... ...el, of ... ...el are ...ed ... of a dynamometer
the moment ... be ...ure... or ...m... ... ...ectively. An

Car 1/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

Test Methods for [illegible] Twisting Cables 32-2-33/60

[illegible] is given, from which it [illegible] seen, that this method makes it possible to determine the torsion properties as well as the tensile strength of a wire rope. There are 4 figures and 1 table.

ASSOCIATION: [illegible] Mining Institute
([illegible])

AVAILABLE: Library of Congress

1. Cables-Test methods

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F.

Determining strains in helical rope wires under the effect of bending. Nauch. trudy KHGI no.6:299-309 '58. (MIRA 14:4)
(Wire rope--Testing)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F.

Dynamic balancing of hoisting ropes taking into account torsional vibrations. Nauch. dokl. vys. shkoly; gor. delo no.1:115-120 '59.
(MIRA 12:5)

1.Predstavlena kafedroy gornoy mekhaniki Khar'kovskogo gornogo instituta.
(Hoisting machinery--Vibrations)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F., kand.tekhn.nauk

Theory of stress distribution in two-layer hoisting ropes. Izv. vys.ucheb.zav.; gor.zhur. no.5:101-113 '59. (MIRA 13:5)

1. Khar'kovskiy gornyy institut. Rekomendovana kafedroy gornoy mekhaniki.
(Mine hoisting) (Wire ropes)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F., inzh.

Bending stresses in double-lay wire ropes. Izv.vys.ucheb.zav.; gor.zhur. no.6:90-97 '59. (MIRA 13:4)

1. Khar'kovskiy gornyy institut. Rekomendovana kafedroy gornoy mekhaniki.
(Wire rope) (Strains and stresses)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F., kand.tekhn.nauk

Torsional vibrations of mine hoisting ropes. Izv.vys.ucheb.zav.; gor.zhur. no.8:101-109 '59. (MIRA 13:5)

1. Khar'kovskiy gornyy institut. Rekomendovana kafedroy gornoy mekhaniki.

(Wire rope) (Mine hoisting)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F., kand.tekhn.nauk

Testing mine hoisting ropes for strength. Ugol' Ukr. 3 no.10:17-19 O '59. (MIRA 13:2)

1. Khar'kovskiy gornyy institut.
(Hoisting machinery--Testing)
(Wire rope--Testing)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F., kand.tekhn.nauk; POCHTOVENKO, Yu.Ye., inzh.; VOLOKONSKIY, V.F., inzh.

Strain on ropes of irregular strands during winding on a pulley. Izv.vys.ucheb.zav.; gor.zhur. no.2:151-157 '60. (MIRA 14:5)

1. Khar'kovskiy gornyy institut.
(Pulleys) (Ropes)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F., kand.tekhn.nauk

Wire rope twisting vibrations on mine hoisting machines.
Izv. vys. ucheb. zav.; gor. zhur. no.9:117-124 '60.
(MIRA 13:9)

1. Khar'kovskiy gornyy institut. Rekomend. kafedroy gornoy mekhaniki.
(Hoisting machinery—Vibrations) (Wire rope)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, Ya.M.

Determination of forces in a mine hoisting cable with varying length while changing from steadily accelerating movement to even movement. Trudy MakNII 12: Vop. gor. elektromekh. no.4: 117-124 '61. (MIRA 16:6)

(Wire rope)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F., kand. tekhn. nauk

Low-twisting single-layer ropes with a mixed coil and their use in mine hoisting. Izv. vys. ucheb. zav.; gor. zhur. no.5: 135-143 '61. (MIRA 16:7)

1. Khar'kovskiy gornyy institut. Rekomendovana kafedroy soprotivleniya materialov Odesskogo politekhnicheskogo instituta.

(Wire rope) (Mine hoisting)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F., kand. tekhn. nauk

Approximative method of calculating special-form ropes during stretching and twisting. Izv. vys. ucheb. zav.; gor. zhur. no.6:144-152 '61. (MIRA 16:7)

1. Khar'kovskiy gornyy institut. Rekomendovana kafedroy gornoy mekhaniki.

(Wire rope--Testing)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F., kand.tekhn.nauk

Investigating stresses in steel-wire cables. Rasch.na prochn. no.7:122-152 '61. (MIRA 14:11)

(Cables—Testing)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F., kand.tekhn.nauk

Study of deformation and tension in spiral ropes, considering the actual conditions of contact of the wires. Izv. vys. ucheb. zav.; gor. zhur. no.11:103-118 '61. (MIRA 15:1)

1. Khar'kovskiy gornyy institut. Rekomendovana kafedroy gornoy mekhaniki.

(Wire rope)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M. F., kand. tekhn. nauk; VOLOKONSKIY, V. F., kand. tekhn. nauk

Design of nontwisting cables. Izv. vys. ucheb. zav.; gor. zhur. 5 no.8:161-168 '62. (MIRA 15:10)

1. Khar'kovskiy gornyy institut. Rekomendovana kafedroy gornoy mekhaniki.

(Wire rope)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F., kand.tekhn.nauk; VOLOKONSKY, V.F., kand.tekhn.nauk

Bend of the wires of a cable on contact with the pulley. Izv. vys. ucheb. zav.; gor. zhur. 5 no.10:115-120 '62. (MIRA 15:11)

1. Khar'kovskiy gornyy institut. Rekomendovana kafedroy gornoy mekhaniki.

(Wire rope) (Strains and stresses)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.F.

Mechanical testing of steel-wire rope. Zav.lab. 28 no.3:981-983 '62. (MIRA 15:11)

1. Odesskiy kanatnyy zavod.
(Wire rope--Testing)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

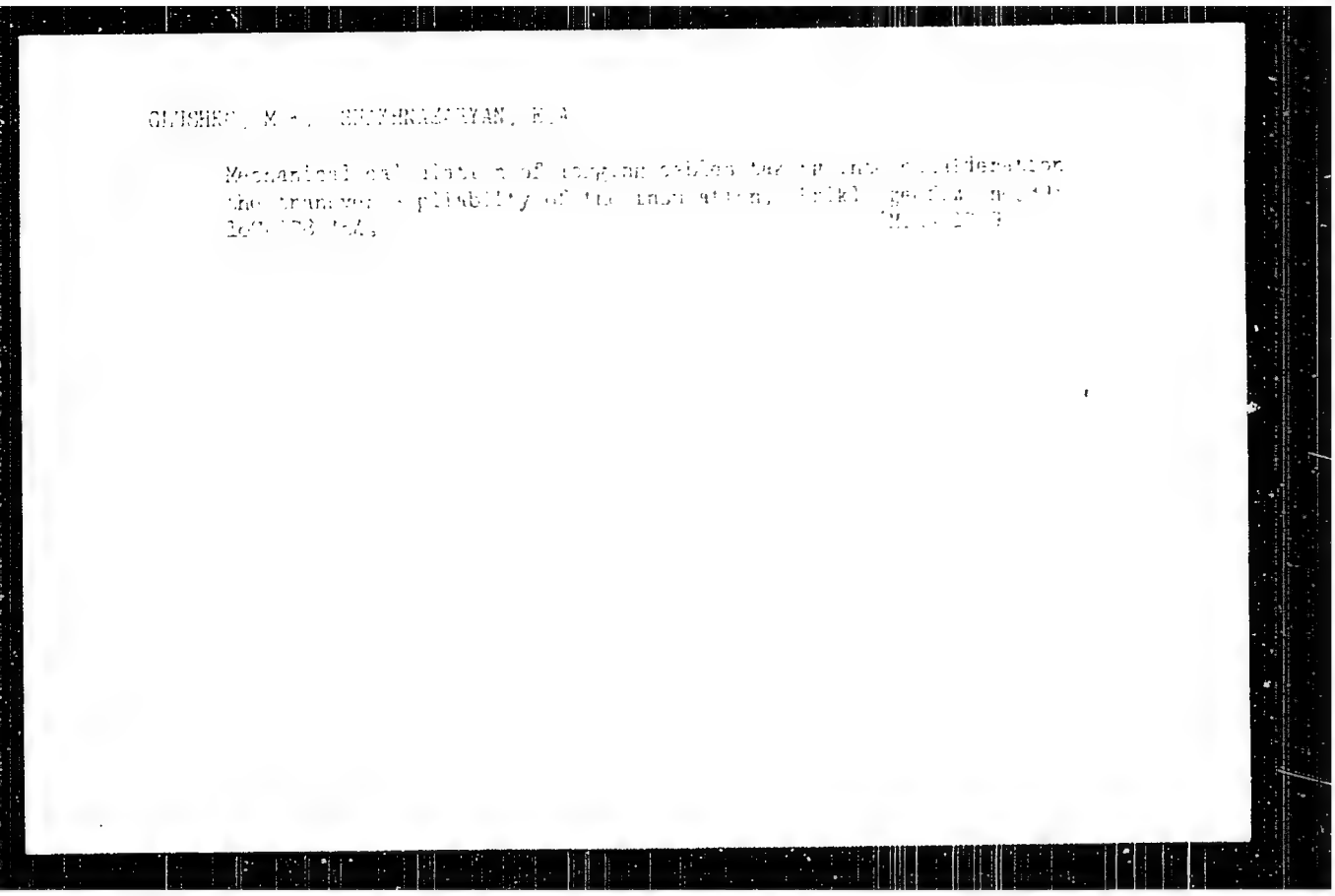
GLUSHKO, M.F., kand. tekhn. nauk

Refined formula for calculating the bending stresses in round-strand steel hoisting ropes. Izv. vys. uchob. zav.; gor. zhur. 6 no.8:145-148 '63. (MIRA 16:10)

1. Odesskiy politekhnicheskiy institut. Rekomendovana kafedroy rudnichnogo transporta.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8



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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

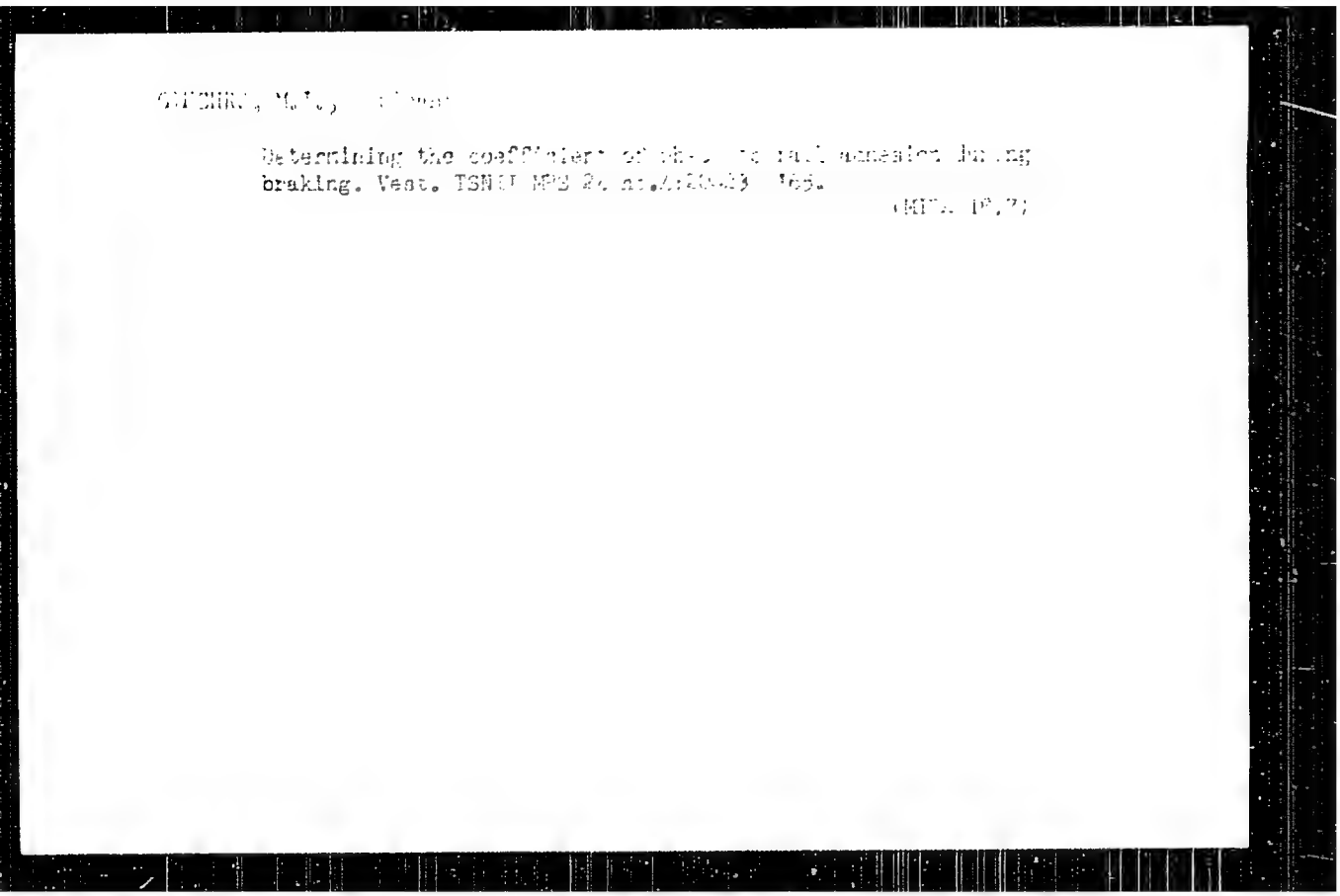
GLUSHKO, M.F. (Odessa)

Nonsymmetric stretching and the spin phenomenon in steel cables.
Prikl. mekh. 1 no.5:72-78 '65. (MIRA 18:7)

1. Odesskiy politekhnicheskiy institut.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8



[illegible], M.I.

Determining the coefficient of [illegible] rail adhesion during braking. Vest. TSNII MPS 24 no.7:40-43 '65.

(MIRA 18:7)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GIUSHKO, M.I., inzh.; KAZANTSEV, I.I., zamd. tekhn. ra

Cleaning of oil soiled rails. Vest. TSNII MPS no.1:37-1
'66. (MIRA 19:1)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.M., mladshiy nauchnyy sotrudnik

System of sanctions for the violation of work quality requirements in self-financing telecommunication enterprises. Vest. sviazi 18 no. 8:16-18 Ag '58. (MIRA 11:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut svyazi.
(Telegraph)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

30(5) SOV/111-59-6-14/32

AUTHOR: Glushko, M.M., Junior Scientific Worker

TITLE: On the New Depreciation Rates for Basic Means of Communication

PERIODICAL: Vestnik svyazi, 1959, Nr 6, pp 17-18 (USSR)

ABSTRACT: The Tsentral'noye statisticheskoye upravleniye (Central Statistical Office) of the USSR Council of Ministers, the Gosplan, and all Ministries must revise the existing depreciation rates as of the 1st of January 1960, and work out new ones. The author discusses the deficiencies of the existing rates in the system of the Ministry of Communications, and suggests new calculation principles, with the use of coefficients that would permit the application of a basic rate for different operational conditions of the equipment, taking into account the "moral" wear and the economical "ageing" of the communication equipment caused by the creation of new and better means. Three formulas are

Card 1/2

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

SOV/111-59-6-14/21

On the New Depreciation Rates for Basic Norms of Zo mineral n

suggested: 1) for the complete renewal of the basic means; 2) for capital repairs and modernization; 3) for calculating the general depreciation rate.

ASSOCIATION: TsNIIS

Card 2/2

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.M., kand.ekonom.nauk; RUBINA, r.M., inzh.

New norms on amortization deductions and special features of their use in telecommunication enterprises. Vest. sviazi 22 no.4:29-31 Ap '62. (MIRA 15:4)
(Telecommunication--Accounting)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, M.Ye., inzh.; KOCHERGIN, V.M., inzh.; MITROFANOVA, M.A., inzh.

Experience in using specialized cars for intrafactory traffic at the Dzerzhinskii Works. Biul. TSNIICHM no.3:46-50 '58. (MIRA 11:5)
(Railroads, Industrial--Freight cars)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

AVERBUKH, A., kand. tekhn. nauk; GLUSHKO, M.Ye., inzh.

Using communication graphs in organizing intrafactory traffic at the Dzerzhinskii Plant. Biul. TSNIICHM no.3:66-69 '58. (MIRA 11:5)
(Railroads, Industrial--Freight)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

AUTHOR: [illegible] 68-58-4-15/21

TITLE: ~~Automatic Lubrication~~ of Locking Bolts on Coke Oven [illegible] (Avtomaticheskaya smazka zapornykh bolтov na koksovykh [illegible] pechey)

PERIODICAL: Koks i Khimiya, 1958, Nr 4, pp 48-50 (USSR)

ABSTRACT: An installation for the lubrication of [illegible] coke oven doors mounted on the pusher [illegible] of the pusher side car on the floor moving [illegible] of the oils is described and illustrated. [illegible] oil container, delivery tubes, lubricators with [illegible] pumps (Figs. 1-3). The equipment is being in operation for the years 1956-1957. There are 3 figures.

ASSOCIATION: [illegible] (Automatic Lubrication Introduced in Coke Oven Works)

Card 1/1 1. Ovens--Equipment 2. Bolts--Lubrication 3. Fabrication--Equipment

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, N.T., brigadir kompleksnoy brigady, Geroy Sotsialisticheskogo Truda

To be worthy builders of communism. Transp. stroi. 13 no.2:34-36 F '63. (MIRA 16:3)
(Kiev—Hydraulic engineering)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

GLUSHKO, N.V.

KUCHERUK, V.V.; PETROV, V.G.; DUNAYEVA, T.N.; PSHENICHNAYA, L.A.; MEDVEDEVA, M.S.; GLUSHKO, N.V.

Characteristics of the natural foci of tularemia in forest shelterbelts and ways of controlling them. Vop.kraev.,ob. i eksp.paraz. i med.zool. 9:140-152 '55. (MLRA 10:1)

1. Iz otdela parazitologii i meditsinskoy zoologii (zav. - akad. Ye.N.Pavlovskiy) Instituta epidemiologii i mikrobiologii imeni N.F.Gamaleya (dir. - deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR prof. G.V.Vygodchikov) Akademii meditsinskikh nauk SSSR i Stavropol'skogo protivoepidemicheskogo instituta (dir. V.N.Ter-Vartanov) Ministerstva zdravookhraneniya SSSR.
(TULAREMIA) (WINDBREAKS, SHELTERBELTS, ETC.)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

BABENYSHEV, V.P.; GLUSHKO, N.V.

On the change in the distribution of the lesser suslik in Stavropol Territory [with English summary in insert]. Zool.zhur.35 no.5:770-773 My '56. (MLRA 9:9)

1.Nauchno-issledovatel'skiy institut Kavkaza i Zakavkaz'ya Ministerstva zdravookhraneniya SSSR.
(Stavropol Territory--Suslika)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

S/126/62/013/006/012/018
E111/E352

AUTHORS: Glushko, P.I., Dorokhov, V.I. and Nechiporenko, Ye.P.

TITLE: Contribution to the kinetics of the oxidation of molybdenum disilicide

PERIODICAL: Fizika metallov i metallovedeniye, v. 13, no. 6, 1962, 923 - 924

TEXT: The results of a study of the kinetics of the oxidation of molybdenum disilicide in air at 900 - 1 300 °C are given. Specimens were prepared by heating molybdenum plates with silicon powder at a pressure of 10^{-5} mm Hg and a temperature of 1 350 °C. After metallographic and diffraction analysis for $MoSi_2$ the oxidation kinetics were studied in the interval of 900 - 1 200 °C and a duration of 6 h. The rate of oxidation per unit surface was determined from the gain in weight. The activation energy was found to be 82 ± 2.5 kcal/mole and the process followed the equation:

$$W = K\tau^n ,$$

where W is the change in weight, τ the time, K the rate constant (1.998×10^{-4} at 900 - 2.590×10^{-2} at 1 200 °C)

Card 1/2

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

VERKHOROBIN, L.F.; GLUSHKO, P.I.; DOROKHOV, V.I.; MATYUSHENKO, N.N.

Interaction of molybdenum disilicide with beryllium. Fiz. met. i metalloved. 16 no.5:751-753 N '63. (MIRA 17:2)

1. Fiziko-tekhnicheskiy institut AN UkrSSR.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

ACCESSION NR: AP4013101 S/0126/64/017/001/0142/0144

AUTHOR: Ivanov, V. Ye.; Nechiporenko, Ye. P.; Zmiy, V. I.; Glushko, P. I.; Aleksandrov, O. M.; Dorokhov, V. I.

TITLE: High-temperature oxidation of molybdenum disilicide

SOURCE: Fizika metallov i metalloved., v. 17, no. 1, 1964, 142-144

TOPIC TAGS: molybdenum, silicon, molybdenum disilicide, molybdenum disilicide oxidation, molybdenum disilicide microhardness

ABSTRACT: Molybdenum disilicide is a metal with great promise for use in structures designed to withstand high temperatures. In the technical literature there are data on the oxidation of $MoSi_2$ achieved by various methods: hot pressing, sintering, etc. The authors of this short article conducted a study of the kinetics of $MoSi_2$ oxidation in a temperature interval of 1400-1700C using a high-temperature resistance furnace. The heater was a spiral 5mm in diameter made from a molybdenum rod. For oxidation, samples of molybdenum disilicide 25X10X0.15 mm in size were used; these samples were obtained by the vacuum method. The temperature was controlled by a thermocouple (Pt - Rh 7% center: Pt-Rh 20%) and an optical pyrometer, the latter placed directly on the heater. The temperature gradient between the heater

Card 1/2

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

ACCESSION NR: AP4013101

and the sample was not more than 30C. A metallographic analysis of the sample was carried out with an MIM-7 microscope, with microhardness tested on a PMT-3 instrument. Oxidation time was 10 hours. It was found that with increasing time and temperature the oxidizability of $MoSi_2$ increases, the rate of oxidation obeying a parabolic law. No transition from a parabolic law of oxidation to a logarithmic one was detected in the tests. X-ray analysis in the temperature range indicated (1400-1700C) revealed an amorphous oxide film on the surface of the oxidized samples. Preliminary analysis showed that this film, in addition to SiO_2, contains unknown components. These are, apparently, lower molybdic oxides, the vapor tension of which is lower than that of MoO_3. The microhardness of the molybdenum disilicide, which did not change during the oxidation process, was 1200 kg/mm^2. Orig. art. has: 3 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN USSR (Physicotechnical Institute, AN UkrSSR)

SUBMITTED: 03Mar63	DATE ACQ: 26Feb64	ENCL: 00
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Card 2/2

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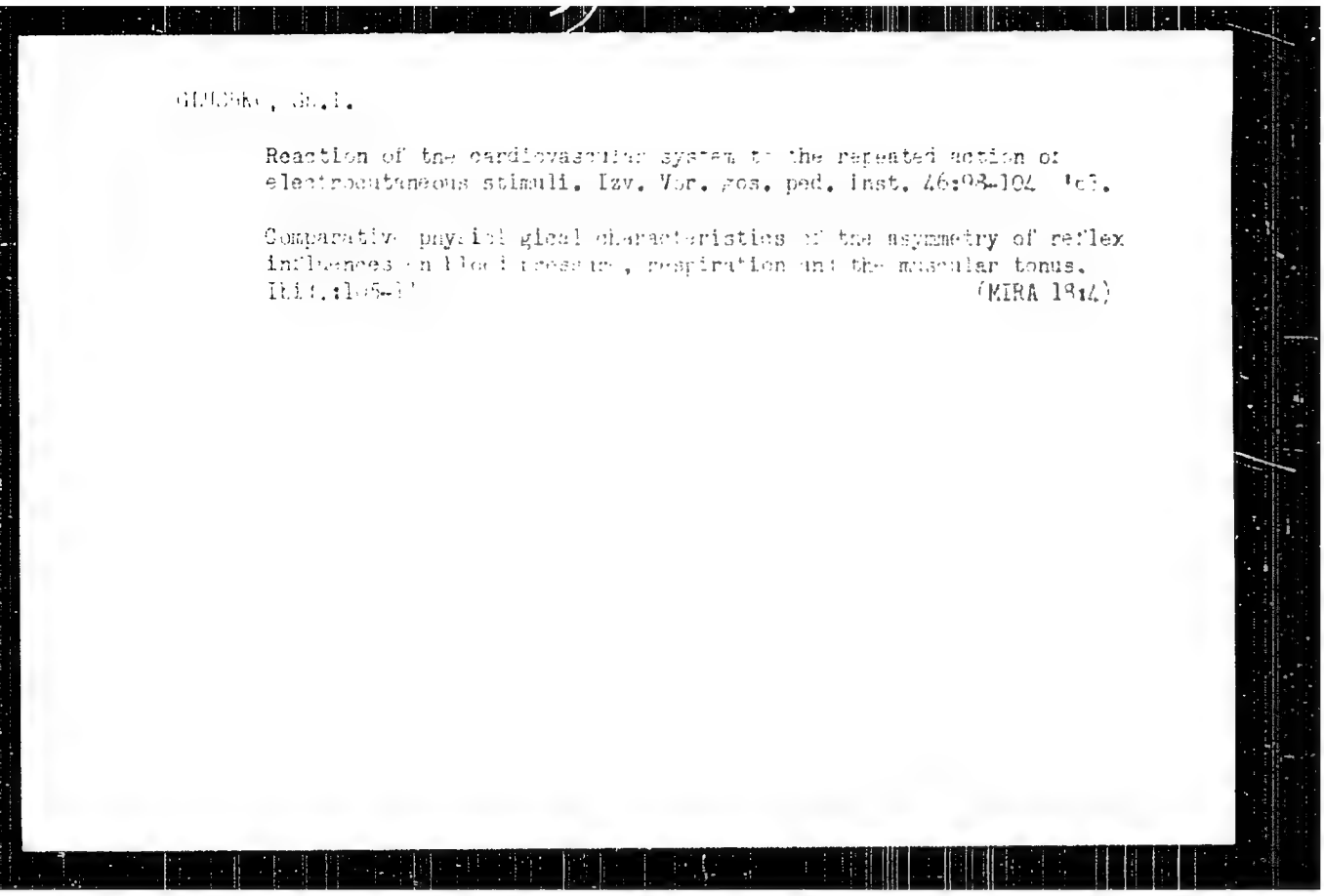

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4-12 '64.

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Soviet Socialist Republic.

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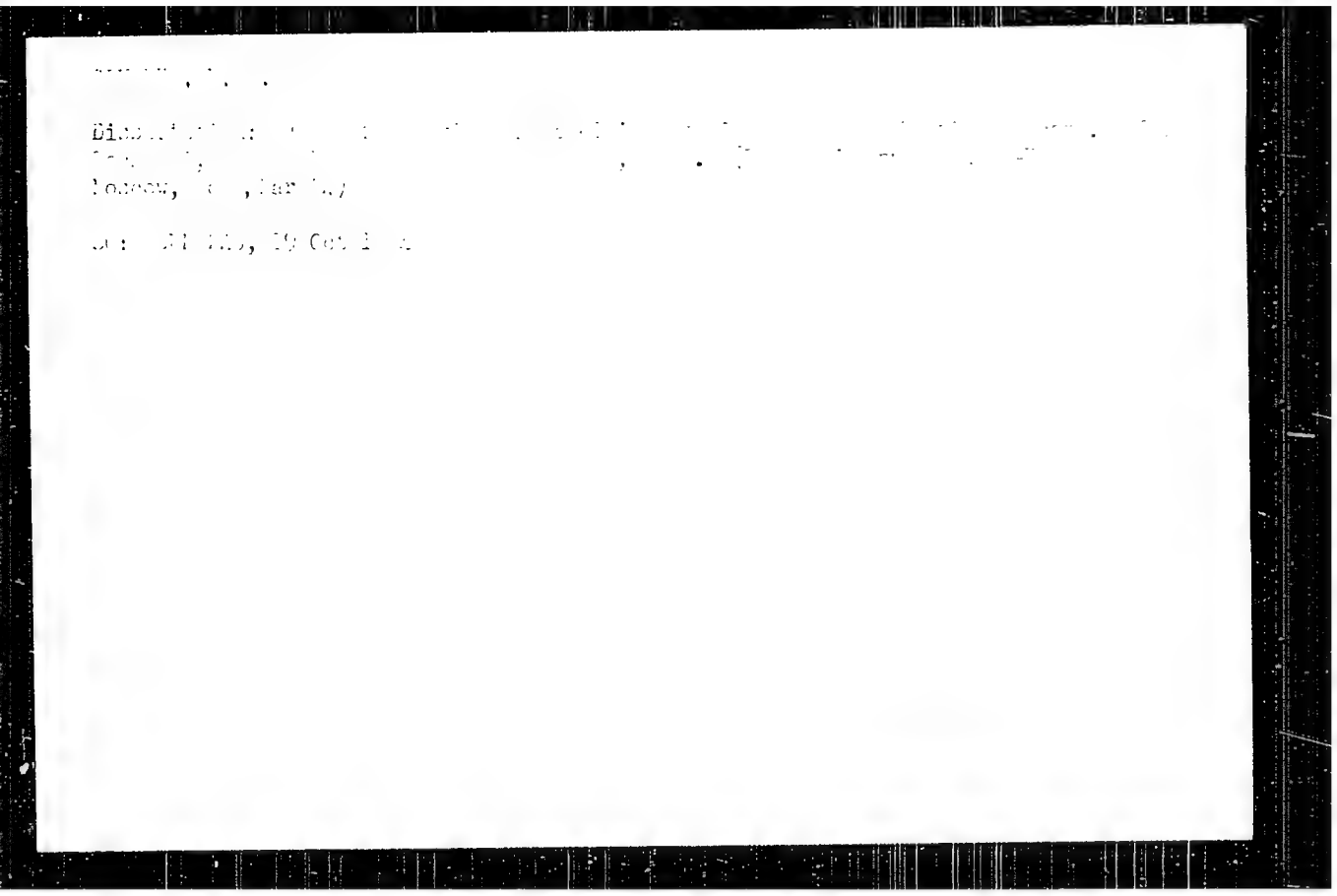

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Chemical Technology, Protective Coatings (15585)

Poligraf. Proiz-vo, No 2, 19 3, pp 10-12
Glushko, V. D.
Increasing the Acid Resistance of the Chromate-Glue Copying Layer

The acid resistance of the chromate-glue copying layer can be increased by introducing a small amount of rosin to the copying solution.

Referativnyy Zhurnal -- Khimiya, No 3, 1954 (W-30476)

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GLUSHKO, V.D., inzhener (gorod L'vov).

Gradational properties of offset printing plates in positive copying on polyvinyl alcohol. Poligr. proiz. no.5:16-18 My '53. (MLRA 6:6)
(Offset printing)

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USSR/Chemical Technology. Chemical Products and Their Application -- Photographic materials, I-19

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5980

Author: Kovalenko, B. V., Glushko, V. D.

Institution: Ukrainian Scientific Research Institute of Printing Industry

Title: Chrome-Tanned Animal Glue as a Reproduction Layer for Making Offset Printing Forms in Positive Reproduction

Original Publication: Sb. Tr. Ukr. n.-i. in-ta poligr. prom-sti, 1954, No 3, 26-34

Abstract: A refinement of the conditions of making offset printing forms, with a reproduction layer (RL) based on chrome-tanned animal glue, in order to attain most exact reproduction by the copy of the raster diapositive gradations. Properties of the glue affect the reproduction process. The glue used must absorb after soaking for 24 hours in cold water not more than 2-3 parts by weight of water; the soaked glue cake should have least possible consistence, and gelling temperature of a 20% solution should be within the temperature range

Card 1/2

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GLUSHKO, V. P.

"Pockets, Their Construction and Technique," Russian textbook, 1935, by G. Ye. Langemak and V. P. Glushko.

B-76,75

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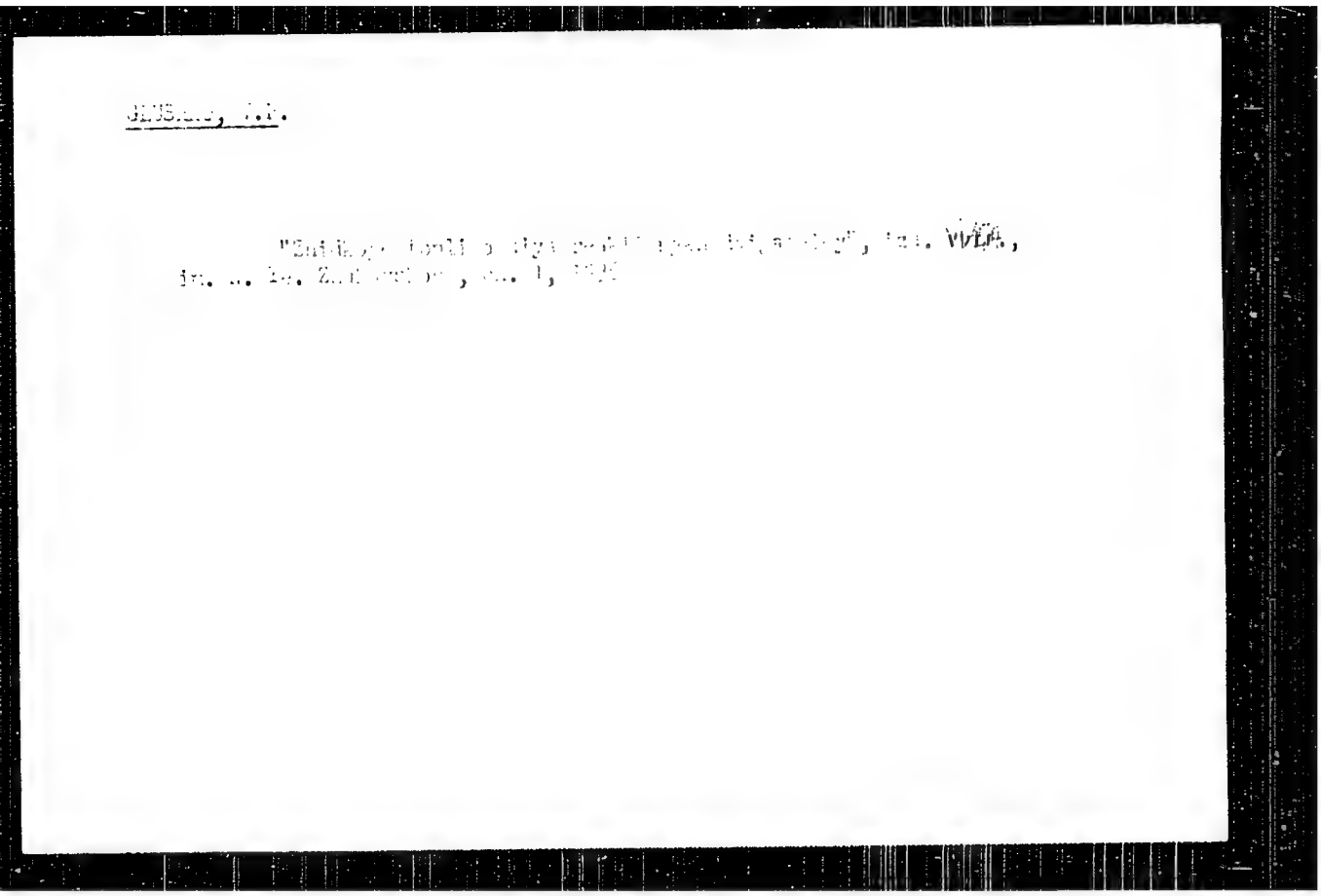

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Glushko, V. P.

AUTHOR: Glushko, V. P., Corresponding Member of the AN USSR. 30-9-9/48

TITLE: On the 100th Anniversary of Konstantin Eduardovich Tsiolkovskiy's Birthday (Konstantin Eduardivich Tsiolovskiy. - K 100-letiyu so dnya rozhdeniya).

PERIODICAL: Vestnik AN SSSR, 1957, Vol. 27, Nr 27, pp. 53-60 (USSR).

ABSTRACT: On September 17, 1957, the birthday of the great Russian scientist comes round for the 100th time. The first conceptions of astronautics are connected with his name. More than 150 works dealing with rocket-engineering, astrobiology and astronomy were written by him. His first work is from the year 1883 ("The free space"). Numerous papers dealing with different physical problems were published by him in the "Scientific Notes" of the Moscow "Society of Natural Science". The first wind tunnel (1897) constructed in Russia comes from him. Mendeleyev calles him a "talented experimentator". In 1887 Tsiolkovskiy's first works on the construction of an all-metal airship were published. He devoted much labor and perseverance to this task, but his ideas were ahead of his time. Only after the October revolution, when his life already drew to an end, they took real real shape. Of special interest are Tsiolkovskiy's suggestions in

Card 1/2

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GURVICH, Lev Veniaminovich, kand. khim. nauk; KHACHKURUZOV, Georgiy Akopovich, kand. khim. nauk; MEDVEDEV, Vadim Andreyevich, kand. khim. nauk; VEYTS, Inessa Veniaminovna, kand. khim. nauk; GURVICH, Georgiy Andreyevich; YUNGMAN, Vladimir Stepanovich; KITSHCHEVA, Nina Petrovna; KOLOTOVA, Liliya Fedorovna; YUNKOV, Georgiy Nikolayevich; LAPSHINA, Rakhil' Abramovna; YUDIN, Boris Fedorovich; BOLOTNIKOV, Mikhail Isidorovich; GALKIN, Viktor Feodoseyevich; MEDVEDEV, Valeriy Aleksandrovich; PAZUKHOVSKIY, Yevgeniy Aleksandrovich; VOROB'YEV, Boris Aleksandrovich; GERASIMOV, Ya.I., prof.; SHURAKOV, S.N., prof., retsenzent; GLUSHKO, V.P., akad., otv.red.; KHACHKURUZOV, G.A., red.; GUROV, K.P., red.izd-va; LAPIN, V.G., tekhn.red.

[Thermodynamic properties of individual substances; reference guide in two volumes]Termodinamicheskie svoistva individual'nykh veshchestv; spravochnik v dvukh tomakh. Izd.2., polnost'iu perer. i rasshirennoe. Pod red. V.P.Glushko (otv. red.) i dr. Moskva, Izd-vo Akad. nauk SSSR. Vol.1.(Calculation of thermodynamic properties]Vychislenie termodinamicheskikh svoistv. 1962. 1161 p. Vol.2. [Tables of thermodynamic properties]Tablitsy termodinamicheskikh svoistv. 1962. 916 p.
(MLA 15:10)

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MEDVEDEV, V.A.; YUNGMAN, V.S.; VOROB'YEV, A.F.; GURVICH, L.V.; BERGMAN, G.A., PEZHITSKIY, L.A.; KOLESOV, V.P.; GAL'CHENKO, G.L.; KHODEYEV, Yu.S.; KHACHKURUZOV, G.A.; SOKOLOV, V.B.; GOROKHOV, L.N.; MONAYENKOVA, A.S.; KONAROVA, A.F.; VEYTS, I.V.; YURKOV, G.N.; MALENKOV, G.G.; SMIRNOVA, N.L., GLUSHKO, V.P., akademik, otv. red.; MIKHAYLOV, V.V., red.; KARAPET'YANTS, M.Kh., red.

[Thermal constants of substances; reference book in ten numbers] Termicheskie konstanty veshchestv; spravochnik v desiati vypuskakh, Moskva, No.1. 1965. 144 p. (MIRA 18:7)

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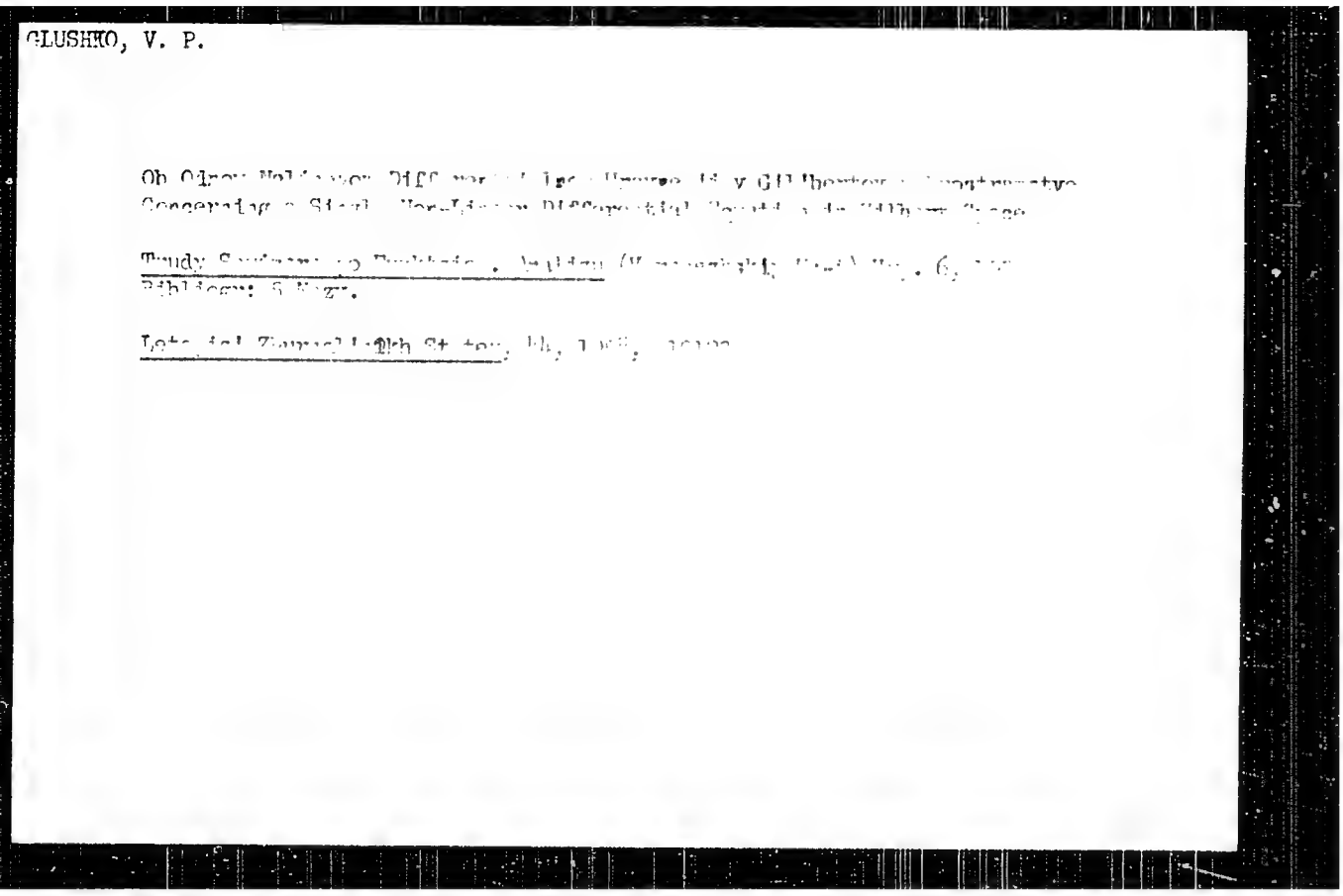

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Oh Other Metallurgy Diff metal Inc Ukraine SU V Glushko Contemporary Steel Metallurgy Difficult Issues in Ukraine Steel

Study Summary to Problem Outline (Approved) Kiev No. 6, 1957
Bibliog: 5 titles.

Date Inf Zhurnal'nykh Statey, No. 1, 1958, 10129

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515420015-8

AUTHORS: Glushko,V.P. and Kreyn, S.G. SOV/20-122-6-2/49

TITLE: Fractional Powers of Differential Operators and Embedding Theorems (Drobnyye stepeni differentsial'nykh operatorov i teoremy vlozheniya)

PERIODICAL: Doklady Akademii nauk,SSSR,1958,Vol 122,Nr 6,pp 963-966 (USSR)

ABSTRACT: Let G be a bounded domain of the n-dimensional space ($n \geqslant 2$) which is star-shaped with respect to a sphere. In the Hilbert space $L_2(G)$ let a self-adjoint positive-definite operator A be considered which is generated by a differential operator of even order and by a system of homogeneous boundary conditions. A is called strongly invertible, if $\|A^{-1}f\|_{W_2^1} \leqslant C\|f\|_{L_2}$ $(f \in L_2)$, where W_2^1 is a Sobolev space.

Theorem: Let A be strongly invertible, $0 < \gamma < 1$, $r = \gamma 1 - \frac{n}{2}$.

The following cases are possible
a) r positive, not integer. Then $A^{-\gamma}$ is a completely continuous operator from L_2 into $C_{m,\nu}$ (space of the functions with $m = [r]$ partial derivatives which satisfy the Hölder

Card 1/4

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condition with the exponent $\nu < r - [r]$.

b) r positive integer. Then $A^{-\gamma}$ is a completely continuous operator from L_2 into $C_{m,\nu}$, $m = r - 1$ and $\nu < 1$.

c) $r \leqslant 0$. Then $A^{-\gamma}$ is a completely continuous operator from L_2 into L_q, $\frac{1}{q} > -\frac{r}{n} = \frac{1}{2} - \frac{\gamma 1}{n}$.

Theorem: Let A be strongly invertible, n positive integer, $\gamma 1 - \frac{n}{2} \leqslant m < \gamma 1$. Then $D^m A^{-\gamma}$, where D^m denotes a partial derivative of order m, is a completely continuous operator from L_2 into L_q, where $\frac{1}{q} > \frac{1}{2} - \frac{\gamma 1 - m}{n}$. Let M be a point of $\overline{G}$ and

$$D_h^m f(P) \equiv \frac{1}{|M-P|^h} D^m f(P) \qquad (h \geqslant 0).$$

As the order α of the operator D_h^m with respect to the operator A the lower bound of the numbers γ is denoted, for which

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$D_h^m A^{-\gamma}$ is bounded in L_2.

Theorem: For $0 \leqslant m < 1$, $0 \leqslant h < \min\left\{1 - m, \frac{n}{2}\right\}$ D_h^m is an operator, the order of which with respect to A is not higher than $\frac{m+h}{l}$. For $\frac{m+h}{l} < \gamma < 1$ it is

$$\left\| \frac{1}{|M-P|^h} D^m A^{-\gamma} \varphi \right\|_{L_2} \leqslant K \|\varphi\|_{L_2}$$

where K does not depend on $M \in G$.
The proofs of the theorems are based on the somewhat improved results of [Ref 7].
There are 11 references, 9 of which are Soviet, 1 is Italian, 1 German, and 1 American.

PRESENTED: June 5, 1958, by S.L. Sobolev
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AUTHOR: Glushko, V.P.

SOV/20-129-3-5/70

TITLE: The First Boundary Value Problem for Elliptic Equations Which Degenerate on Manifolds

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 3, pp 492-495 (USSR)

ABSTRACT: Let Ω be an open bounded domain in the space of $x=(x_1,x_2,\ldots,x_n)$ with a boundary Γ simple according to S.L.Sobolev [Ref 8]. Let $M = \overline{\Omega} \cap R_m$, where $\overline{\Omega} = \Omega + \Gamma$ and R_m is the hyperplane $x_{m+1} = \ldots = x_n = 0$. Let $D(L)$ be the set of all 2 l times continuously differentiable functions which vanish in the neighborhood of Γ and M. Let

$$Lu = (-1)^l \sum_{\Sigma\alpha_i=l} \sum_{\Sigma\beta_i=l} \frac{\partial^l}{\partial x_1^{\alpha_1} \ldots \partial x_n^{\alpha_n}} \left(a^{\beta_1,\ldots\beta_n}_{\alpha_1\ldots\alpha_n}(x) \frac{\partial^l u}{\partial x_1^{\beta_1} \ldots \partial x_n^{\beta_n}} \right)$$

be an operator defined on $D(L)$, where its coefficients $a^{(\beta)}_{(\alpha)}$ in $\Omega - M$ be l times continuously differentiable, let there $a^{(\alpha)}_{(\beta)} = a^{(\alpha)}_{(\beta)}$ and let hold the estimation

Card 1/4

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The First Boundary Value Problem for Elliptic Equations SOV/20-129-3-5/70
Which Degenerate on Manifolds

$$\sum_{\Sigma\alpha_i=l} \sum_{\Sigma\beta_i=l} a_{(\alpha)}^{(\beta)}(x)\,\xi_{(\alpha)}\,\xi_{(\beta)} \geq \frac{\mu_1}{r^{2k}} \sum_{\Sigma\alpha_i=l} \xi^2_{(\alpha)},$$

where $\mu_1 > 0$ and k $(-\infty < k < \infty)$ are constants and r is the distance from $x \in \Omega$ to M. Let $L_{p,\varkappa}$ be the space of functions v(x), for which $\| v \|_{L_{p,\varkappa}} = \left\{ \int_\Omega |v|^p r^{-\varkappa p} dx \right\}^{1/p} < \infty$, $p > 1$, $-\infty < \varkappa < \infty$.

Let the Hilbert space H_k be obtained by the closure of D(L) in the metric

$$I(u,v) = \int_\Omega \sum_{\Sigma\alpha_i=l} \sum_{\Sigma\beta_i=l} a_{(\alpha)}^{(\beta)} \frac{\partial^l u}{\partial x_1^{\alpha_1} .. \partial x_n^{\alpha_n}} \times \frac{\partial^l v}{\partial x_1^{\beta_1} ... \partial x_n^{\beta_n}} dx.$$

The function $u \in H_L$ is called a generalized solution of the first boundary value problem for Lu = g if for every $v \in H_L$ it holds

Card 2/4

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The First Boundary Value Problem for Elliptic Equations SOV/20-129-3-5, 19
Which Degenerate on Manifolds

$I(a,v) = (g,v)$.

Theorem 1: Under the given conditions to every $g \in G$ there exists a unique generalized solution of the first homogeneous boundary value problem for $Lu = g$. Here

(1) $G = L_{2,-l-k+\varepsilon}$ $(\varepsilon < 0)$,

if $q = \frac{n-m}{2} - k$ is integral and $1 \leq q \leq l$, and $G = L_{2,-l-k}$ in all other cases.

Lemma: If besides

$$\sum_{\alpha_{m+1}+\ldots+\alpha_n=l} \sum_{\beta_{m+1}+\ldots+\beta_n=l} a^{0,\ldots,0,\beta_{m+1},\ldots\beta_n}_{0,\ldots,0,\alpha_{m+1},\ldots\alpha_n} \xi_{0,0,\ldots,0,\alpha_{m+1},\ldots\alpha_n} \cdot \xi_{0,\ldots,0,\beta_{m+1},\ldots,\beta_n} \leq \frac{M_2}{\varepsilon^{2k}} \sum_{\alpha_{m+1}+\ldots+\alpha_n=l} \xi^2_{0,\ldots,0,\alpha_{m+1},\ldots,\alpha_n},$$

then every function u having continuous l-th derivatives in $\bar{\Omega}$, having certain boundary properties on Γ /K and K, and for which $I(u,u) < \infty$, belongs to H_L.

Card 3/4

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The First Boundary Value Problem for Elliptic Equations SOV/20-129-3-5/70
Which Degenerate on Manifolds

Theorem 2: Every classical solution of $Lu = g$ which satisfies the conditions of the lemma, is a generalized solution and consequently it is determined uniquely.
The theorems 3 and 4 are devoted to the solutions of the conjugate equation $L_1^* v = h$

The author thanks S.G.Kreyn for the leading of the work.
There are 7 references, 6 of which are Soviet and 1 English.

ASSOCIATION: Voronezhskiy lesotekhnicheskiy institut (Voronezh Forest-Technical Institute)
PRESENTED: June 24, 1959, by N.N.Bogolyubov, Academician
SUBMITTED: June 16, 1959

Card 4/4

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